

From: [Chris Carey](#)
To: [Jump, Christine](#)
Cc: snightin@kdheks.gov; [John Cook](#)
Subject: RE: 1,4-Dioxane
Date: Thursday, February 13, 2014 4:09:57 PM

Yes, there are several (24 actually). Scott expects these to be available online by the end of the month.

Chris Carey, P.G.

Site Restoration Unit Chief
Remedial Section
KDHE Bureau of Environmental Remediation
Work: 785-296-0225
Cell: 785-250-4750



From: Jump, Christine [<mailto:Jump.Chris@epa.gov>]
Sent: Thursday, February 13, 2014 9:13 AM
To: Chris Carey
Cc: Scott Nightingale; John Cook
Subject: RE: 1,4-Dioxane

Thanks.

Are you aware of any other risk-based (rather than MCL-based) RSK values for soil to groundwater that have changed since the last Tier 2 table was produced?

Chris Jump, L.G.

Waste Remediation and Permitting Branch

US EPA, Region 7

jump.chris@epa.gov

(913) 551-7141

Mailing address: 11201 Renner Boulevard, Lenexa, KS 66219

From: Chris Carey [<mailto:CCarey@kdheks.gov>]
Sent: Thursday, February 13, 2014 8:42 AM
To: Jump, Christine
Cc: snightin@kdheks.gov; John Cook
Subject: RE: 1,4-Dioxane

Chris,

KDHE anticipates that the next revision of the RSK Manual will include the following Tier 2 Levels for 1,4-Dioxane:

Pathway	Residential Scenario	Non-Residential Scenario
Soil Pathway (mg/kg)	79.6	247
Soil to Groundwater Pathway (mg/kg)	0.0384	0.129
Groundwater Pathway (mg/L)	0.00849	0.0285

The soil saturation concentration for 1,4-Dioxane is 126,000 mg/kg.
Please let us know if you have any questions.

Chris Carey, P.G.

Site Restoration Unit Chief
Remedial Section
KDHE Bureau of Environmental Remediation
Work: 785-296-0225
Cell: 785-250-4750



From: Jump, Christine [<mailto:Jump.Chris@epa.gov>]

Sent: Thursday, February 13, 2014 8:27 AM

To: Chris Carey; John Cook

Cc: Scott Nightingale

Subject: RE: 1,4-Dioxane

Since the new value is not listed on KDHE's website, can one of you send me an email with the official values so I can provide them to Clean Harbors?

Thanks.

Chris Jump, L.G.

Waste Remediation and Permitting Branch

US EPA, Region 7

jump.chris@epa.gov

(913) 551-7141

Mailing address: 11201 Renner Boulevard, Lenexa, KS 66219

From: Chris Carey [<mailto:CCarey@kdheks.gov>]

Sent: Wednesday, February 12, 2014 3:04 PM

To: Jump, Christine; John Cook

Subject: RE: 1,4-Dioxane

We will use these criteria moving forward; however, we have not identified significant 1,4-dioxane impacts within NIC.

Chris Carey, P.G.

Site Restoration Unit Chief
Remedial Section
KDHE Bureau of Environmental Remediation
Work: 785-296-0225
Cell: 785-250-4750



From: Jump, Christine [<mailto:Jump.Chris@epa.gov>]

Sent: Wednesday, February 12, 2014 2:26 PM

To: John Cook; Chris Carey

Subject: 1,4-Dioxane

Is KDHE using the newly calculated residential soil to ground water criteria for 1,4-dioxane in the NIC site or for NIC PRPs?

Chris Jump, L.G.

Waste Remediation and Permitting Branch

US EPA, Region 7

jump.chris@epa.gov

(913) 551-7141

Mailing address: 11201 Renner Boulevard, Lenexa, KS 66219